· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)
Notice of Allowability	10/751,172	HAN, JAE-WON
	Examiner	Art Unit
	Kyoung Lee	2812
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the coordinate (OR REMAINS) CLOSED in this ap or other appropriate communication (GHTS). This application is subject to	plication. If not included not will be mailed in due course. THIS
1. 🖾 This communication is responsive to amendment filed on 1	<u>10/31/2006</u> .	
2. The allowed claim(s) is/are 1-14 and 17-23.		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do 	e been received. e been received in Application No	
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the draw he header according to 37 CFR 1.121	ings in the front (not the back) of (d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Informal	, ,
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6.	ate
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 10/31/2006	7. Examiner's Amend	Iment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Statem	ent of Reasons for Allowance
S. Siologica: maioriai	_	IAEL LEBENTRITT ORY PATENT EXAMINER

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DETAILED ACTION

REASONS FOR ALLOWANCE

Claims 1-7, 9-14, and 17-23 are allowed.

The following is an examiner's statement of reasons for allowance: Claim 1 is allowable because of the prior art, either singly or in combination, fails to anticipate or render obvious, the method, including step of initially forming a monosilicide at the same time as sputtering a metal film at a DC power of 2-10 KW under a state where the semiconductor substrate is heated at the temperature of from greater than 450 to 600°C; removing residual metal film not used for the formation of silicide; and annealing the semiconductor substrate. These features in combination with the other elements of the claim are neither disclosed nor suggested by the prior art of record.

The following is an examiner's statement of reasons for allowance: Claim 17 is allowable because of the prior art, either singly or in combination, fails to anticipate or render obvious, the method, including step of placing the cleaned semiconductor substrate in a sputter chamber and sputtering a metal film at a DC power of 2-10 KW, while heating the semiconductor substrate at the temperature of 450 to 600°C to form a silicide having a 1:1 metal: silicon ration. These features in combination with the other elements of the claim are neither disclosed nor suggested by the prior art of record.

Claims 2-7, 9-17, and 18-23 depend from claim 1 or 17 so they are allowable for the same reason.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyoung Lee whose telephone number is (571) 272-1982. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KL 1/15/07

MICHAEL LEBENTRITT
SUPERVISORY PATENT EXAMINER